MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE
DOMINION OF CANADA

SEPTEMBER 1933

TEMPERATURE

Over the greater part of British Columbia temperatures were two to three degrees below normal and a similar deficiency existed at the mouth of the Mackenzie River and in the region of the Gulf of St. Lawrence. Elsewhere in Canada departures from normal temperature were either small or positive. There was an excess of two or three degrees in southwestern Saskatchewan and of two to four degrees over the greater part of Ontario and eastern Manitoba. In the Atlantic provinces temperatures averaged normal on the southern Nova Scotian coast and one or two degrees above normal on the coasts of the Bay of Fundy. Over the greater part of Alberta and down the Mackenzie valley there was a general deficiency of about one degree.

PRECIPITATION

Except locally in the interior valleys precipitation was generally above the normal amount in British Columbia.

In Alberta in the region south of the 55th parallel there was very little precipitation. The recorded amount varied from one tenth to eight tenths of an inch, but the normal amount for September in this region varies from one to two inches. In the region of the Peace and Athabaska Rivers and around Lesser Slave Lake the recorded amount varied from one to four inches and was, therefore, generally well above normal.

In southern Saskatchewan there was a narrow area north of the International Boundary with less than one inch. In the central portion of the grain region the amount varied from one to two inches for the most part although a few localities had from two to two and a half inches. In the northern part of the grain zone the amount varied from two to four inches. The normal amount is approximately an inch and a half.

In Manitoba the amount was normal or slightly deficient in the extreme southwest but from fifty to one hundred per cent. in excess elsewhere.

In the immediate vicinity of Lake Superior there was an excess of about thirty per cent. although there were local deficiencies in the Lake of the Woods region. On the north shore of Lake Erie and in the Lower Ottawa and Upper St. Lawrence regions there were deficiencies of fifteen to fifty per cent. while in the Georgian Bay region there was a slight excess. From Manitoulin Island northward to James Bay there was generally a small deficiency, while on the Abitibi slope there was a deficiency of thirty to fifty per cent.

In the St. Lawrence valley from Montreal to well below Quebec, not much more than half the usual amount was recorded, with a lesser deficiency in the region north of the river. In the region of the Lower St. Lawrence and Gulf the total amount was in some places twice the usual amount.

The total amount was above normal in New Brunswick and Nova Scotia and variable in Prince Edward Island. In New Brunswick the excess ranged from twenty-five to eighty per cent. and in Nova Scotia from twenty-five to one hundred and twenty-five per cent.

In the Mackenzie valley Fort Smith and Fort Norman reported twice the usual amount, but elsewhere in the far north precipitation was about normal.

A. J CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Atlin			0.8		44°	Courtenay			8.3			Greenwood	84°	20°	1.2		
Estevan Point			12.4		52°	Vancouver	72°	37°	5.9	124	56°	Kaslo			3.0		46°
Sooke	70°	34°	5.3			New Westminster	75°	38°	6.0			Cranbrook	76°	31°			
Port Alberni	84°	38°	10.8			White Rock	75°	36°	5.6			Golden	78°	22°	1.8		
Victoria	68°	40°	2.9	170	54°	Penticton	83°	31°	1.2			Glacier	70°	25°	5.0		
Shawnigan Lake	77°	32°	5.5			Summerland	82°	35°	1.4	155		Field	76°	25°	2.2		
Duncan	81°	30°	4.8			Vernon	81°	33°	1.9	129		Prince George	81°	23°	3.5	136	48°
Cowichan Bay	70°	36°	3.9	141		Kamloops	82°	33°	0.8	154	56°						
Nanaimo	75°	36°	4.8	155		Salmon Arm	81°	31°	2.1	102							

ALBERTA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Beaverlodge	79°	24°	1.7	156	47°	Strathmore	77°	20°	0.2		45°
Fairview	82°	25°	3.2	117	45°	Beaver Mines			2.4		
Peace River	94°	24°	3.4		50°	Coleman			2.1		
Athabaska	81°	22°	0.7			Cowley			1.0		
Edson	79°	15°	0.8			Mountain View			0.9		
Entrance	80°	17°	3.3		45°	Seven Persons			0.4		
Grouard	80°	22°	2.7		46°	Winnifred			0.5		
High Prairie	83°	22°	2.9			Hanna	80°	20°	0.8		
Kinuso	80°	10°	4.9			Hillsdown	77°	24°	1.2		49°
Slave Lake	83°	24°	2.5		47°	Jenner	86°	21°	0.7		
Anthracite	71°	24°	0.7			Olds	73°	19°	1.1		48°
Exshaw	70°	27°	0.7			Perbeck	79°	20°	0.6		
Lake Louise	74°	18°	1.4			Stettler	78°	22°	1.6		
Brooks	80°	23°	0.1			Three Hills	79°	10°	0.4		
Calgary	74°	17°	0.2	210	49°	Lougheed			1.4		
Cardston	78°	20°	0.6			Campsie	82°	21°	1.0		47°
Foremost			0.6			Coronation	80°	23°	0.9		
Gleichen	78°	16°	0.3			Edmonton	83°	25°	1.9	178	50°
High River	77°	17°	0.6			Elk Point	79°	24°	1.1		
Lethbridge	82°	27°	1.3		52°	Naco	84°	18°	1.2		
Lundbreck	74°	20°	0.9			Ranfurly	81°	20°	2.3		
Macleod	80°	28°	1.5			Rocky Mountain House	62°	15°	1.9		
Medicine Hat	87°	29°	0.7	183	55°	Viking	80°	20°	1.6		
Pekisko	72°	18°	1.2		45°	Wastina	86°	19°	0.6		
Pincher Creek	75°	25°	0.6			Wetaskiwin	82°	23°	1.8		49°

SASKATCHEWAN

Battleford	81°	23°	2.6		52°	Pennant	82°	25°	1.1		52°
Biggar	86°	24°	2.3		52°	Gull Lake	82°	24°	0.7		53°
Harris	79°	26°	2.3		51°	Gravelbourg	84°	27°	0.9		54°
Macklin	84°	18°	2.0		50°	Nashlyn	82°	24°	0.8		52°
Rosetown	82°	22°	2.1		50°	Assiniboia	82°	28°	0.5		54°
Meadow Lake	79°	24°	4.3		50°	Consul			0.7		
Waseca	75°	22°	2.2		48°	Elbow			1.1		
Prince	83°	20°	2.6		50°	Regina	83°	22°	2.6		53°
Scott	80°	22°	1.8		50°	Moose Jaw	83°	28°	1.5	213	56°
Prongua			2.3			Qu'Appelle	88°	26°	1.8	190	52°
Lloydminster			2.1			Broadview			1.9		
Melfort			4.3			Moosomin			1.0		
Humboldt	87°	25°	1.5		54°	Estevan			0.1		
Yorkton			2.2			Indian Head			1.8		
Kamsack			1.0			Yellow Grass			1.1		
Kinistino	92°	28°	3.7		54°	Grenfell	87°	26°	1.4		55°
Lestock	83°	24°	2.9		53°	Davidson	81°	27°	2.3		52°
Dana	80°	23°	1.4		52°	Francis	86°	23°	2.7		54°
Muenster	78°	20°	1.7		49°	Whitewood	83°	25°	2.0		52°
Nipawin	82°	29°	5.7		52°	Carlyle	83°	23°	0.9		57°
Saskatoon	81°	23°	2.3		51°	Midale	94°	22°	1.2		56°
Kindersley	83°	20°	1.6		51°	Lumsden	85°	22°	1.5		55°
Anglia	81°	23°	1.5		52°	Nokomis	83°	24°	1.6		52°
Leader	84°	23°	1.2		53°	Ft. Qu'Appelle	86°	25°	2.0		54°
Lidgett			0.9			Indian Head	84°	27°	1.8		52°
Climax			0.6			Hubbard	79°	23°	3.0		50°
Surprise			0.9			Marquis			1.9		
Outlook	83°	25°	1.9		52°	Rockglen			0.6		
Caron	82°	23°	2.5		53°	Strongfield			2.8		
Shaunavon	80°	25°	0.7		54°	Goodwater			0.7		
Chaplin	80°	26°	2.0		52°	Ceylon			1.1		
Dundurn	84°	23°	2.3		53°						

MANITOBA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Cypress River			3.6			Morden (Experimental Farm)	82°	34°	2.3	180	58°
Brandon	81°	22°	2.3	190	54°	Morris	85°	30°	3.4		
Russell	80°	28°	2.4			Graysville	80°	30°	1.3		
Pierson			1.3			Osborne			2.7		
Portage la Prairie	81°	35°	2.0			Sprague	78°	26°	2.1		
Virden	86°	32°	3.5			Winnipeg	79°	32°	2.7	182	57°
Treesbank (St. Albans)	84°	30°	3.5			Great Falls	78°	34°			
Treherne	79°	35°	3.9			Pinawa	77°	33°	1.3		56°
Waskada	90°	24°	0.8			Dauphin	80°	34°	1.2		54°
Boissevain			2.2			Swan River			2.8		
Emerson			2.2			Le Pas	76°	23°	1.7		51°

ONTARIO

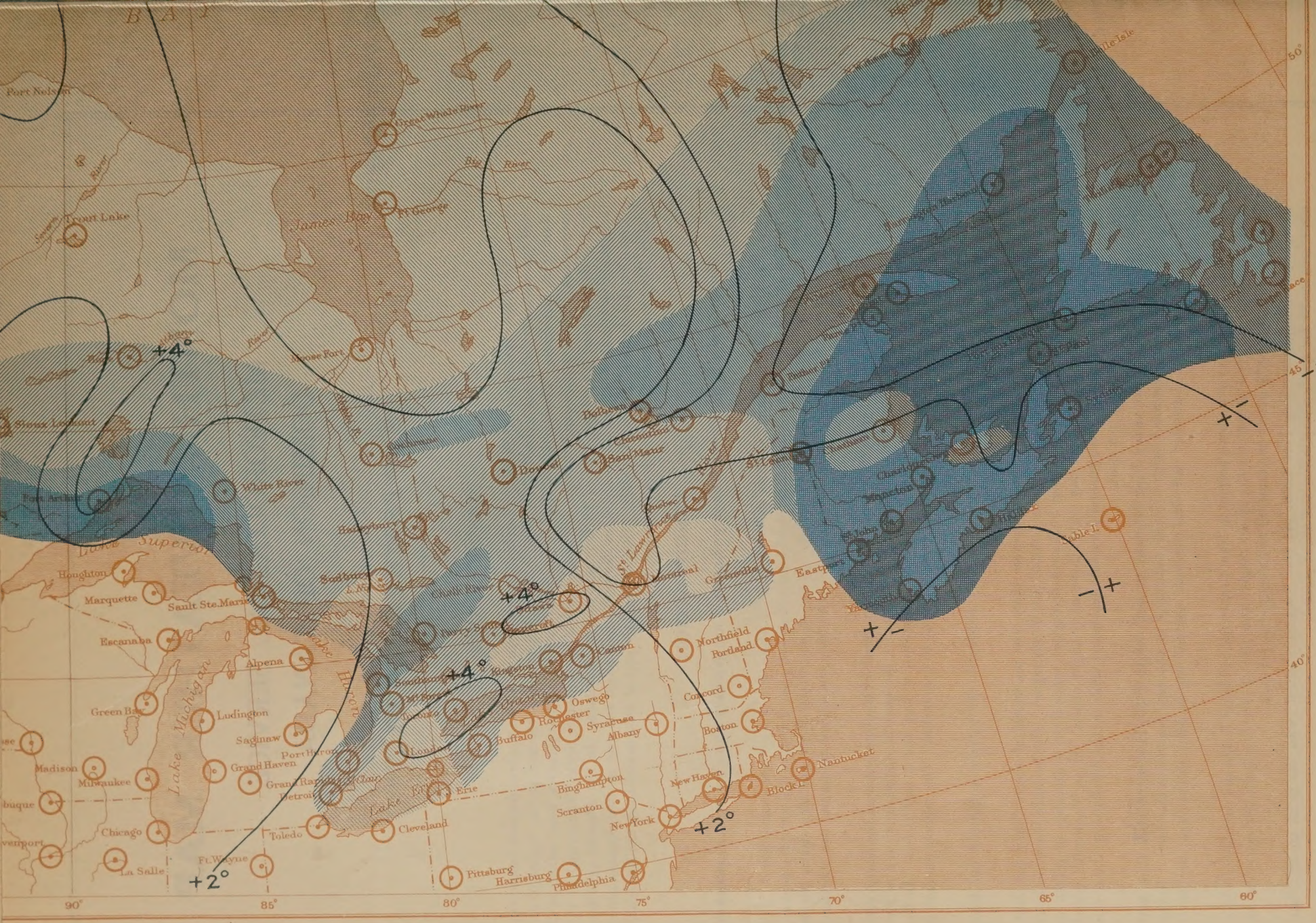
Kenora	81°	37°	2.5			Barrie	83°	34°	2.4		60°
Sioux Lookout			5.7		55°	Beeton	88°	34°	2.2		64°
Quorn	88°	28°	4.2			Alton	90°	32°	1.6		61°
Atikokan	87°	30°	6.1			London	96°	35°	2.5		64°
Armstrong	75°	20°	3.8			Woodstock	94°	38°	1.8	189	63°
Ignace	85°	29°	2.9			Brucefield	90°	33°	5.4		60°
Port Arthur	84°	36°	4.3		58°	Simcoe	93°	37°	1.0		66°
Moosonee	79°	31°			52°	Harrow	94°	43°	1.9	170	67°
Kapuskasing	79°	27°	2.3			St. Catharines	86°	40°	2.1	167	64°
Timmins	80°	31°	1.5			Toronto	90°	39°	1.4	195	63°
Cochrane	80°	26°	2.1		54°	Bloomfield	85°	35°	2.5		
Haileybury	86°	32°	2.1	138	58°	Peterboro'	84°	34°	1.6		
Ruel	80°	22°	2.4		56°	Queensboro'	81°	28°	1.3		59°
White River	78°	20°	3.8		51°	Kingston	85°	40°	3.0	155	63°
Montreal River	86°	24°	1.5			Brockville	85°	34°	1.1	159	62°
North Bay	87°	32°	3.7		58°	Morrisburg	84°	26°	2.5		
Providence Bay	82°	30°	1.8			Ottawa	89°	36°	1.7	208	62°
Parry Sound	86°	35°	3.9		60°	Ottawa (Exp. Farm)	85°	34°	1.5	175	60°
Southampton	87°	36°	3.6		62°	Renfrew	82°	30°	1.3		58°
Lucknow	90°	33°	2.5			Pembroke	85°	30°	2.3		61°
Beatrice	85°	25°	2.9		58°	Kemptville	83°	35°	1.4		61°
Walkerton	93°	30°	2.0		63°	Clontarf	83°	29°	2.9		57°
Mount Forest	88°	26°	2.3	167	60°						

QUEBEC

Cedars	82°	36°	1.7		61°	Mont Laurier	86°	36°	3.1		58°
Macdonald College	83°	39°	1.2		61°	St. Joachim	80°	32°	1.8	184	56°
Montréal	82°	40°	1.9	157	61°	Donnacona	84°	37°	2.5		57°
Farnham	80°	32°	2.9	166	59°	Québec	78°	40°	2.2	151	57°
Brome	83°	30°	2.8		58°	Cap Rouge	80°	35°	2.3	155	57°
Lennoxville	83°	28°	1.7	147	57°	Ste. Anne de la Pocatiére	83°	33°	2.0	123	56°
Sherbrooke	82°	34°	1.5	151	58°	Albanel	82°	29°	3.8	120	53°
Beauceville	82°	33°	1.4		58°	La Ferme	83°	24°	2.9	150	53°
Sorel	83°	36°	1.7		60°	Abitibi	82°	31°	3.2		56°
Lake Mégantic	76°	26°	1.2		54°	Roberval	79°	36°	1.7		54°
Drummondville	83°	29°	2.8		54°	Doucet	82°	19°	2.9	167	51°
Nicolet	82°	38°	2.4		59°	Sanmaur	82°	27°	2.6	152	50°
St. Lin des Laurentides	80°	31°	2.0		59°	Father Point			3.9		48°
St. Gabriel de Brandon	72°	30°	1.2			St. Paul Island			4.1		55°
Joliette	84°	35°	1.1		59°	Harrington Harb'r			4.7		46°
Huberdeau	82°	33°	1.7		58°	Fame Point	73°	40°	7.7		50°
Maniwaki	80°	32°	1.7	228	58°	Grindstone	74°	37°	4.2		54°

ATLANTIC PROVINCES

Saint John	72°	45°	5.4	140	57°	Sussex	82°	32°	4.7		59°
Aroostook	82°	31°	4.3		55°	Woodstock	85°	29°	4.1		57°
Bathurst	76°	31°	5.1		54°	Digby	74°	38°	4.2		57°
Chatham	84°	32°	3.4		57°	Halifax	80°	42°	5.6		58°
Chipman	82°	27°	2.5		56°	Kentville (Experimental Farm)	81°	35°	5.8	131	59°
Edmundston	77°	31°	3.7		53°						
Fredericton	82°	34°	6.5	149	56°	Liverpool	81°	33°	6.5		57°
Fredericton (Experimental Farm)	83°	35°	5.9	154	57°	Nappan (Experimental Farm)	81°	31°	4.6	134	57°
Gagetown	81°	35°	5.3		58°	Sydney			5.0		58°
Grand Falls	77°	30°	4.6		54°	Truro	80°	29°	6.8		57°
Harvey	80°	35°	5.7		56°	Upper Stewiacke	85°	30°	4.8		57°
Moncton	82°	30°	4.3		56°	Wolfville	77°	38°	5.9		58°
Musquash	78°	32°	7.0		55°	Yarmouth			4.9		56°
McAdam Junction	83°	33°	6.2		56°	Charlottetown			3.7		58°
Richibucto	81°	31°	2.6		57°	Charlottetown (Experimental Farm)	78°	40°	4.2	142	59°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Port Nelson
Trout Lake
James Bay
Moose Fort
Albany
Big River
Stone Lookout
White River
Duluth
Port Maur
Montreal
Grenville
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Detroit
Chicago
Toledo
Cleveland
Buffalo
Oswego
Rochester
Syracuse
Albany
Erie
Binghampton
Scranton
New York
Pittsburg
Harrisburg
Philadelphia
Northfield
Portland
Concord
Boston
Nantucket
New Haven
Block I.
Lake Michigan
Lake Erie
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
R MAP
BER, 1933
temperature; and total precipitation of the month.
Ellesmere Island
Pond Inlet
Godhaven
Angmagsalik
Godthaab
Julianehaab
Pangnirtung
Resolution
Port Harrison
Port Burwell
HUDSON'S
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°
+2°
+2°
-2°
-/+
+/-

REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

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Chart shewing the difference from normal mean

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